

## S20 GNSS RECEIVER

### SATELLITES TRACKING

Channels	1408
GPS	L1C/A, L2P (Y), L2C, L5
GLONASS	L1, L2
BDS	B1I, B2I, B3I, B1C, B2a
Galileo	E1, E5a, E5b, E6
QZSS	L1, L2, L5
SBAS	WAAS, EGNOS, MSAS, GAGAN, SDCM
PPP	Galileo HAS

DTU

- Cold start
- Hot start
- RTK initialization time
- RTK initialization reliability
- Signal reacquisition

All specifications are subject to change without notice.

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## ENVIRONMENTAL

Operating Temperature	-40 ™ to +65 ™
Storage Temperature	-45 ™ to +85 ™
Waterproof & Dustproof	IP67
Shock	Survive from a 2m-drop

# S20

COST-EFFECTIVE BASE SOLUTION

Entry-Level Solution For CORS Network Construction




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As precision farming continues to transform agriculture, more farmers are adopting high-accuracy systems such as auto-steering, GNSS land leveling, and guidance solutions. This growing adoption is driving the demand for high-precision CORS networks to deliver RTK corrections across large farmland areas.


To meet this need, the S20 CORS Solution is specially designed to deliver an easy-to-operate, cost-effective, and high precision CORS network—tailored to the practical requirements of modern farmers.



**User-Friendly**



**High-Precision**



**Cost-Effective**

**Full-Constellation Tracking**  
Supports GPS, BDS, GLONASS, Galileo, and QZSS for stable GNSS correction and positioning.

**Simple Setup**  
Combines the S20 smart antenna with a DTU module, quick to deploy and easy to use.

**Standard Protocols**  
Compatible with NMEA-0183, RTCM v3.3/3.2/3.1/3.0 and other industry-standard formats.

**IP67 Rugged Design**  
IP67-rated housing ensures durability in harsh field environments.

## CORS MANAGEMENT PLATFORM

**SINGULARCASTER**  
NTRIP CASTER/CORS PLATFORM

**Full-Constellation Support**  
Supports GPS, BDS, GLONASS, Galileo, and QZSS for stable and reliable correction data.

**CORS Station Monitoring**  
Enables real-time status monitoring and management of CORS stations for optimal performance.

**Standard RTK Corrections**  
Supports RTCM 3.X, RTCM 2.X formats, compatible with mainstream GNSS rover models globally.

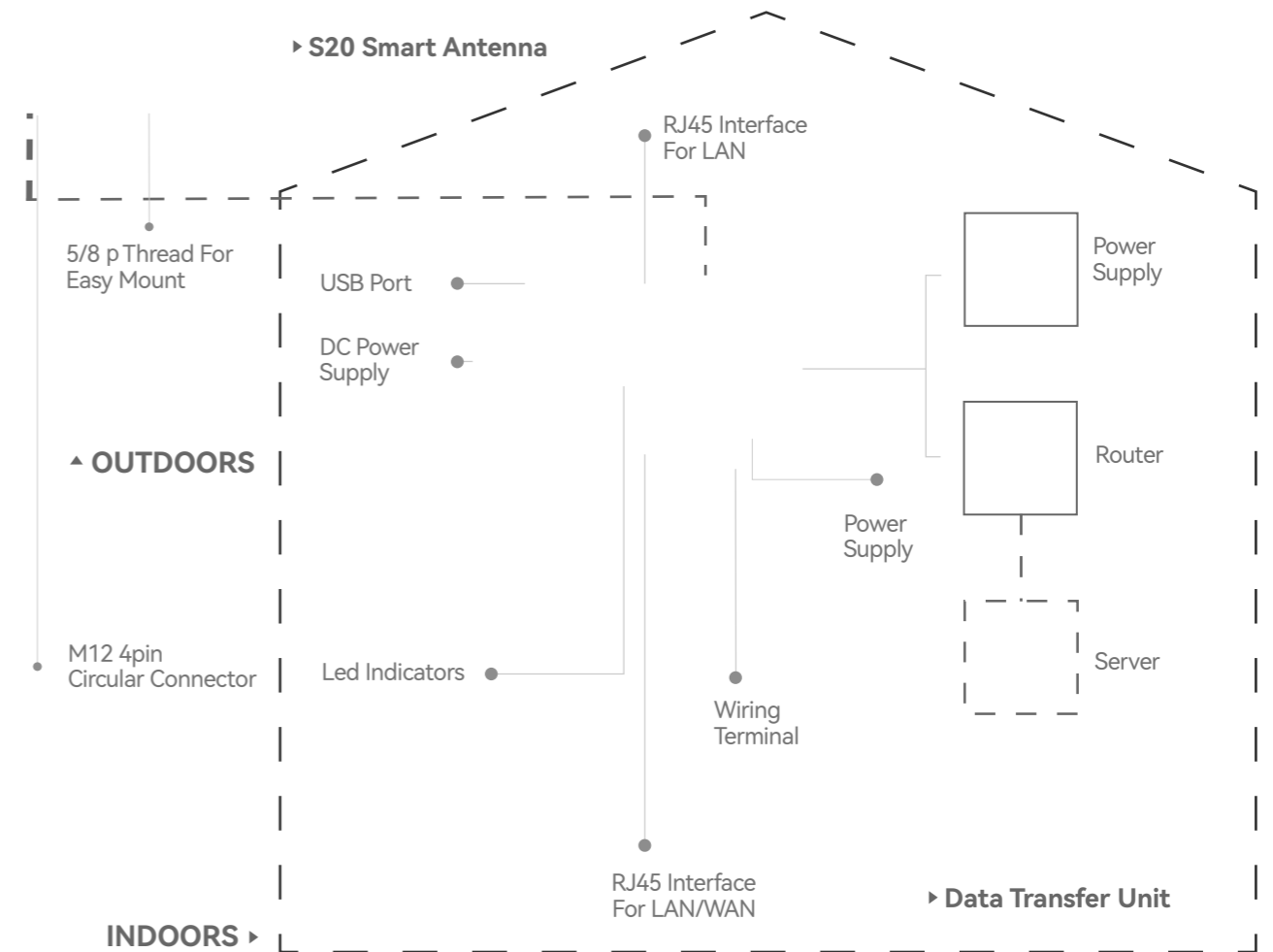
**Real-Time Rover Management**  
Provides real-time monitoring and management of connected users for streamlined operations.

**Smart User Accounts**  
Efficiently manages user subscriptions and licenses, enhancing account management.

**Easy to Get Started**  
User-friendly interface and free license for up to 3 reference stations, minimizing startup costs.



## PRODUCT PARTS DIAGRAM



## DEVICE CONFIGURATION TOOL

**SINGULARCONFIG**  
DEVICE CONFIGURATION TOOL

- Easy configuration via serial and network ports.
- Fast serial port parameter matching for efficient setup.
- Simplified device management, reset, and upgrade.
- One-click execution of shortcut commands.

